



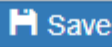
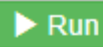
main.c

```
1  #include<stdio.h>
2  struct student
3  {
4      char name[50],elect;
5
6  }s[100];
7  int main()
8  {
9      int n,p=0,q=0,r=0,ch,a;
10     char elect;
11     printf("Enter the number of students");
12     scanf("%d",&n);
13
14     for(int i=0;i<n;i++)
15     {
16         printf("Enter first name: ");
17         scanf("%s", s[i].name);
18         printf("Choose elective\n");
19         printf("1.IoT\n2.Advanced java and J2EE\n3.Advanced Data Structures\n");
20         scanf("%d",&ch);
21         switch(ch)
22         {
23             case 1:
24                 p=p+1;
25                 elect='IoT';
26                 break;
27
28             case 2:
29                 q=q+1;
30                 elect='Advanced java';
31                 break;
32
33             case 3:
34                 r=r+1;
35                 elect='Advanced DS';
36                 break;
37
38             }
39     }
40     printf("Number of students in IoT is %d\n",p);
41     printf("Number of students in Advanced java and J2EE is %d\n",q);
42     printf("Number of students in Advanced data structures is %d\n",r);
43
44
45     for (int i = 0; i < n; i++)
46
47     {
```




main.c

```
40
47 {
48     if(elect=='IoT')
49     {
50
51         printf("First name:%s",s[i].name);
52     }
53 }
54 else if(elect=='Advanced java')
55 {
56
57     printf("First name:%s",s[i].name);
58 }
59 }
60 else if(elect=='Advanced DS')
61 {
62
63     printf("First name:%s",s[i].name);
64 }
65 }
66 }
67 }
68 if (p<=3)
69 {
70     printf("IoT course will not be floated\n");
71     if(p!=0)
72     printf("Enter 1 for Advanced java and 2 for Advanced data Structures\n");
73     for(int j=0;j<p;j++)
74     { scanf("%d",&a);
75     printf("Enter first name: ");
76     scanf("%s",s[j].name);
77     if(a==1)
78     { q++;
79     elect='Advanced java';
80     p--;
81     }
82     else
83     { r++;
84     p--;
85     elect='Advanced DS';
86     }}
87 }
88 if (q<=3)
89 {
90     printf("Advanced java course will not be floated\n");
91     if(q!=0)
92     printf("Enter 1 IoT and 2 for Advanced data Structures\n");
93     for(int k=0;k<q;k++)
94     { scanf("%d",&b);
95     printf("Enter first name: ");
96     scanf("%s",s[k].name);
97     if(b==1)
98     { s++;
99     elect='IoT';
100     q--;
101     }
102     else
103     { t++;
104     q--;
105     elect='Advanced DS';
106     }}
107 }
```

main.c

```
90 printf("Advanced java course will not be floated\n");
91 if(q!=0)
92 printf("Enter 1 IoT and 2 for Advanced data Structures\n");
93 for(int k=0;k<q;k++)
94 {scanf("%d",&a);
95 printf("Enter first name: ");
96 scanf("%s", s[k].name);
97 if(a==1)
98 { p++;
99 elect='IoT';
100 q--;}
101 else
102 {r++;
103 elect='Advanced DS';
104 q--;}
105 }}
106
107 }
108
109 if (r<=3)
110 {
111 printf("Advanced data structures course will not be floated\n");
112 if(r!=0)
113 printf("enter 1 for IoT and 2 for Advanced java");
114 for(int l=0;l<r;l++)
115 { scanf("%d",&a);
116 printf("Enter first name: ");
117 scanf("%s", s[l].name);
118 if(a==1)
119 {p ++;
120 elect='IoT';
121 r--;
122 }
123 else
124 { q++;
125 elect='Advanced java';
126 r--;}
127 }
128 }
129 }
130 printf("After re selection\n");
131 printf("Number of students in IoT is %d\n",p);
132 printf("Number of students in Advanced java and J2EE is %d\n",q);
133 printf("Number of students in Advanced data structures is%d\n",r);
134
135 for (int i = 0; i < n; i++)
136 {
```




main.c

```
127 }
128 }
129 }
130 printf("After re selection\n");
131 printf("Number of students in IoT is %d\n",p);
132 printf("Number of students in Advanced java and J2EE is %d\n",q);
133 printf("Number of students in Advanced data structures is %d\n",r);
134
135 for (int i = 0; i < n; i++)
136 {
137 {
138 if(select=='IoT')
139 {
140     printf("Students in IoT\n");
141     printf("First name: %s",s[i].name);
142 }
143 }
144 else if(select=='Advanced java')
145 {
146     printf("Students in Advanced java\n");
147     printf("First name: %s",s[i].name);
148 }
149 }
150 }
151 else if(select=='Advanced DS')
152 {
153     printf("Students in Advanced DS\n");
154     printf("First name: %s",s[i].name);
155 }
156 }
157 }
158 }
159 }
160 }
161
162
163
164
165
166
167
168
169
170
171
172
173
```




Enter the number of students10

Enter first name: tre

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

1

Enter first name: red

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

1

Enter first name: wer

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

1

Enter first name: ityu

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

1

Enter first name: lion

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

2

Enter first name: liuy

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

2

Enter first name: kinh

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

2

Enter first name: dre

Choose elective

1.IoT

2.Advanced java and J2EE

3.Advanced Data Structures

2

Enter first name: mach

Choose elective



oobjlab/week2(7) at master · aditia



Online C Compiler - online editor



WEEK2



onlinegdb.com/online_c_compiler



```
1
Enter first name: lion
Choose elective
1.IoT
2.Advanced java and J2EE
3.Advanced Data Structures
2
Enter first name: liuy
Choose elective
1.IoT
2.Advanced java and J2EE
3.Advanced Data Structures
2
Enter first name: kinh
Choose elective
1.IoT
2.Advanced java and J2EE
3.Advanced Data Structures
2
Enter first name: dre
Choose elective
1.IoT
2.Advanced java and J2EE
3.Advanced Data Structures
2
Enter first name: mach
Choose elective
1.IoT
2.Advanced java and J2EE
3.Advanced Data Structures
3
Enter first name: gwen
Choose elective
1.IoT
2.Advanced java and J2EE
3.Advanced Data Structures
3
Number of students in IoT is 4
Number of students in Advanced java and J2EE is 4
Number of students in Advanced data structures is2
Advanced data structures course will not be floated
enter 1 for IoT and 2 for Advanced java1
Enter first name: mach
After re selection
Number of students in IoT is 5
Number of students in Advanced java and J2EE is 4
Number of students in Advanced data structures is1

...Program finished with exit code 0
Press ENTER to exit console.
```